

Department Staff and Research Interest

- Assoc. Prof. Leera Kittigul, Ph.D. (Head of Department)
(Food and Water Virology)
- Asst. Prof. Pornphan Diraphat, Ph.D. (Program Director)
(Microbiology and Molecular Genetics)
- Assoc. Prof. Charnchudhi Chanyasanha, Ph.D.
(Zoonoses, Arthropod Borne Diseases, Infectious Diseases)
- Assoc. Prof. Pipat Luksamijarulkul, M.Sc.
(Microbial Risk Assessment and Infectious Diseases Prevention)
- Assoc. Prof. Chakrit Hirunpetcharat, Ph.D.
(Immunology and Infectious Diseases)
- Assoc. Prof. Manee Chanama, Ph.D.
(Molecular Biology of Microbe for Natural Product as Antimicrobial)
- Asst. Prof. Fuangfa Utrarachkij, M.Sc.
(Food Microbiology)
- Lect. Chayaporn Saranpuetti, Ph.D.
(Molecular Biology, Biotechnology)
- Lect. Jiraphan Junjhon, Ph.D.
(Structural and Molecular Virology of Dengue Virus)
- Lect. Chonchanok Theethakaew, Ph.D.
(Molecular Epidemiology, Bacterial Evolution)

DOCTOR OF PHILOSOPHY IN PUBLIC HEALTH MICROBIOLOGY (International Program)



Facility

- : Library equipped with 200,000 text books, 40,000 journals
- : Free wi-fi
- : Study room
- : Fitness center
- : 10 min walk to Victory Monument BTS station



DEPARTMENT OF MICROBIOLOGY
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1. Faculty of Public Health
2. Faculty of Tropical Medicine
3. Faculty of Dentistry
4. Faculty of Pharmacy
5. Faculty of Medicine Ramathibodi Hospital
6. Faculty of Science



Mahidol University
 Faculty of Public Health

Doctor of Philosophy Public Health Microbiology (International Program)



Department of Microbiology
Faculty of Public Health
Mahidol University

Public Health Microbiology

The Ph.D. Program in Public Health Microbiology produces graduates with a high quality of knowledge and skills in theories and practices in a wide variety of Microbiology, Immunology, Biotechnology, and Molecular Biology involving in health sciences. The program provides students with research experience in areas of public health microbiology with an application in the prevention and control of infectious diseases. Graduates will be able to evaluate, analyze, and synthesize novel information on public health problems concerning interactions among microbes, hosts, and environments.

OBJECTIVES

After completion of this program, students will be able to analyze, synthesize, evaluate and solve problems systematically in public health that are related to microbes, hosts, and environments, produce novel research findings in public health microbiology or related fields, apply communication skills and use information technology appropriately, as well as ethical and moral principles in academic and research practices.

REQUIREMENTS

1. Bachelor or Master of Science in a discipline of Health Science or Biological Science in Microbiology, Biology, Public Health, Nursing, Medical Technology, Agriculture, Pharmacology, Dentistry, Veterinary Medicine, Medicine, or other equivalent degree with a minimum GPA of 3.5 (otherwise please contact Program Director)
2. Basic knowledge of Microbiology and Public Health by paper examination and/or interview and study plan of interest
3. English Proficiency
(TOEFL at least 500 or other standard equivalent is required before indent graduation).

Required Courses

Advanced Public Health Microbiology
Advanced Research Seminar in Public Health Microbiology
Microbiological Risk Assessment and Management
Literature Review in Public Health Microbiology

Elective Courses

Advanced Food Microbiology in Public Health
Biosafety and Bioethics
Advanced Public Health Virology
Application of Bioinformatics in Public Health Microbiology

Dissertation

Please visit the website (www.phmi.ph.mahidol.ac.th/), for research interest of department staff, and feel free to consult for your dissertation of interest.

“For students with a Bachelor’s degree, more elective courses must be taken according to supervisor’s advice.”

SCHOLARSHIPS

Scholarships are awarded in an academic achievement from funding sources, e.g. the Faculty of Graduate Studies, the Thailand Research Fund (TRF), and the National Science and Technology Development Agency (NSTDA).

Collaborations

- College of Science, Purdue University, USA
- National Calicivirus Laboratory, Centers for Disease Control and Prevention (CDC), Atlanta, USA
- Research Center for Zoonosis Control (CZC), Hokkaido University, Japan
- Research Institute for Microbial Diseases (RIMD), Osaka University, Japan
- International Center for Diarrhoeal Disease Research, Bangladesh
- Faculty of Medicine, Chiang Mai University
- Chulalongkorn University
- School of Bioresources and Technology, King Mongkut's University of Technology Thonburi
- Ministry of Public Health
- National Center for Genetic Engineering and Biotechnology (BIOTEC)
- Thai-Public Health Education Institute Networks (Thai-PHEIN)
- US Armed Forces Research Institute of Medical Sciences (AFRIMS)

